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L1	4	((("5774689") or ("6078926"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/17 13:35
S1	2	("20020087671").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/17 11:29
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1 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

 November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

 Full text available: [pdf\(4.21 MB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

2 [Performance evaluation of software architectures](#)

Lloyd G. Williams, Connie U. Smith

 October 1998 **Proceedings of the 1st international workshop on Software and performance WOSP '98**

 Full text available: [pdf\(2.42 MB\)](#)

 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

3 [Bibliography of recent publication in computer networking](#)

July 1989 **ACM SIGCOMM Computer Communication Review**, Volume 19 Issue 3
 Full text available: [pdf\(2.53 MB\)](#)

 Additional Information: [full citation](#), [index terms](#)

4 [A performance engineering tool and method for distributing applications](#)

M. Litoiu, Hamid Khafagy, Bin Qin, Anita Rass Wan, J. Rolia

 November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

 Full text available: [pdf\(188.01 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Recent advances in distributed object and Internet technologies have made it attractive for organizations to distribute application functions. Typical projects include: the re-hosting of legacy applications that move application functionality to or from mainframe/server environments, the creation of new target independent interfaces for legacy systems, and the development of new applications altogether. Design concerns for such systems include security, reliability, and performance. The performa ...

Keywords: distributed computing, performance analysis, performance modeling, software design

5 Problem-oriented object memory: customizing consistency

Anders Kristensen, Colin Low

October 1995 **ACM SIGPLAN Notices , Proceedings of the tenth annual conference on Object-oriented programming systems, languages, and applications**, Volume 30 Issue 10

Full text available:  [pdf\(1.58 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents the notion of problem-oriented object memory, and its realization in a distributed object-based programming system, *Penumbra*. This system allows location transparent object invocation, object migration and caching. Its distinguishing feature, however, is its support for problem-oriented object sharing. Problem-oriented object memory is an object model that allows exploitation of application specific semantics by relaxing strict consistency in favour of performance. Our work ...

6 CircusTalk: an orchestration service for distributed multimedia

Yechezkal Shimon Gutfreund, Jose Diaz-Gonzalez, Russell Sasnett, Vincent Phuah

September 1993 **Proceedings of the first ACM international conference on Multimedia**

Full text available:  [pdf\(288.17 KB\)](#)
 [ps\(216.46 KB\)](#)


Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: compound documents, distributed software architectures, orchestration, synchronization

7 Service and network management in the OAMS open service architecture

Simon Znaty

July 1996 **ACM SIGCOMM Computer Communication Review**, Volume 26 Issue 3

Full text available:  [pdf\(1.35 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

New open service architectures are now emerging to ease service construction, management, testing, deployment, and operation, and to hide from the service designer the heterogeneity of the underlying technologies and the complexities introduced by distribution. These architectures should provide all the functionalities for call and connection management, and support management functional areas. To reach these objectives, information models must be defined which provide service and network representations ...

8 Report of the International Workshop on Distributed Systems: operations & management

April 1992 **ACM SIGCOMM Computer Communication Review**, Volume 22 Issue 2

Full text available:  [pdf\(899.31 KB\)](#)

Additional Information: [full citation](#), [index terms](#)

9 TED models for ATM internetworks

Kalyan Perumalla, Matthew Andrews, Sandeep Bhatt

March 1998 **ACM SIGMETRICS Performance Evaluation Review**, Volume 25 Issue 4

Full text available:  [pdf\(768.18 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [index terms](#)


We describe our experiences designing and implementing a virtual PNNI network testbed. The network elements and signaling protocols modeled are consistent with the ATM Forum PNNI draft specifications. The models will serve as a high-fidelity testbed of the transport and network layers for simulation-based studies of the scalability and performance of PNNI protocols. Our models are written in the new network description language TeD which offers

two advantages. First, the testbed d ...

10 Decentralised approaches for network management

Mohsen Kahani, H. W. Peter Beadle

July 1997 **ACM SIGCOMM Computer Communication Review**, Volume 27 Issue 3

Full text available:  [pdf\(1.04 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

Centralised network management has shown inadequacy for efficient management of large heterogeneous networks. As a result, several distributed approaches have been adapted to overcome the problem. This paper is a review of decentralised network management techniques and technologies. We explain distributed architectures for network management, and discuss some of the most important implemented distributed network management systems. A comparison is made between these approaches to show the pitfall ...

11 A virtual PNNI network testbed

Kalyan Perumalla, Matthew Andrews, Sandeep Bhatt

December 1997 **Proceedings of the 29th conference on Winter simulation**


Full text available:  [pdf\(863.49 KB\)](#)

Additional Information: [full citation](#), [references](#), [index terms](#)

12 Testing and debugging: Using Hy⁺ for network management and distributed debugging

Mariano P. Consens, Masum Z. Hasan, Alberto O. Mendelzon

October 1993 **Proceedings of the 1993 conference of the Centre for Advanced Studies on Collaborative research: software engineering - Volume 1**

Full text available:  [pdf\(1.68 MB\)](#)


Additional Information: [full citation](#), [abstract](#), [references](#)

A network manager managing a computer network or a programmer attempting to understand and debug a distributed program both must deal with large volumes of data. Visualization is widely believed to help in these and similar tasks. We contend that visualization is indeed useful, but only if accompanied of the following facilities: abstraction, filtering, and layout control. The Hy⁺ visualization system and GraphLog query language provide these facilities. They support not ...

13 Introducing client/server technologies in information systems curricula

Abhijit Chaudhury, H. Raghav Rao

September 1997 **ACM SIGMIS Database**, Volume 28 Issue 4

Full text available:  [pdf\(1.02 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [index terms](#)


One goal of information systems (IS) departments in business schools is to train IS professionals with the necessary technical skills to support the IS function in companies. This paper suggests that changes are needed for most current IS curricula to meet the technical requirements of the client/server (C/S) world of technologies. It is hoped that the ideas presented here will stimulate debate and discussions as to how this transition can be accomplished.

Keywords: client/server system, information systems education

14 Architectural framework modeling in telecommunication domain

Giulio Fregonese, Alessandro Zorer, Giovanni Cortese

May 1999 **Proceedings of the 21st international conference on Software engineering**

Full text available:  [pdf\(1.12 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: architectural patterns, design patterns, distributed systems, domain analysis, network and service management, network traffic data analysis, object-oriented framework, software architecture, software reuse

15 A design framework for Internet-scale event observation and notification

David S. Rosenblum, Alexander L. Wolf

November 1997 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 6th European conference held jointly with the 5th ACM SIGSOFT international symposium on Foundations of software engineering**, Volume 22 Issue 6

Full text available:  pdf(1.58 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: Internet, design, distributed systems, events, software engineering

16 A connectionless approach to integrated network management

Jairo A. Gutiérrez

July 1998 **International Journal of Network Management**, Volume 8 Issue 4

Full text available:  pdf(67.46 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

As computer networks become more complex and more heterogeneous & often involving systems from multiple vendors, the importance of integrated network management increases. This paper proposes a model to represent an integrated network management environment & combining the emerging Web-based management standards with the proven & tried network management solutions promoted by the Internet Activities Board, and centred around the Simple Network ...

17 International workshop on distributed systems: operation & management

Branislav Meandzija

January 1991 **ACM SIGCOMM Computer Communication Review**, Volume 21 Issue 1

Full text available:  pdf(739.13 KB)

Additional Information: [full citation](#), [index terms](#)

18 Simulation modeling and analysis with INSIGHT: a tutorial

Stephen D. Roberts, Mary Ann Flanigan

December 1988 **Proceedings of the 20th conference on Winter simulation**

Full text available:  pdf(1.26 MB)


Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The INSIGHT simulation language describes systems in a quick, simple, and compact fashion using a network representation. This description can be entered and simulated using novel interactive facilities that free the user from learning specific syntax. Statistics summarizing the simulation are produced automatically, but can be greatly enhanced by various input models and output analysis mechanisms. Use of the language does not require programming and complex models use the descriptive feat ...

19 Automatic generation of performance models using the distributed management framework (DMF)

Asham El Rayess, Jerome A. Rolia

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Full text available:  pdf(98.90 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The purpose of the Distributed Management Framework (DMF) is to provide a layer of abstraction at a level convenient for management application developers. Specifically, it liberates the management application developer from the need to deal with application-dependent format, location, and access methods of management information. It also protects management applications from the need to evolve in response to changes in the managed system. In this paper we describe the DMF, illustrating its usef ...

20 Strategic directions in networks and telecommunications

David Clark, Joseph Pasquale

December 1996 **ACM Computing Surveys (CSUR)**, Volume 28 Issue 4





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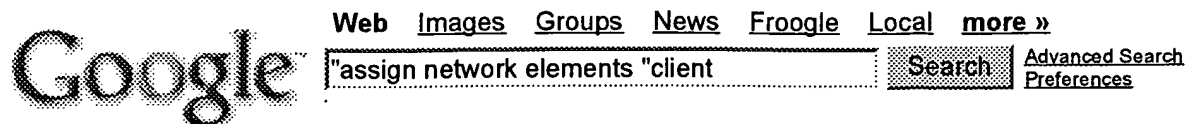
IEEE STD IEEE Standard

☐ 1. A distributed architecture of edge proxy servers for cooperative transcoding

Cardellini, V.; Colajanni, M.; Lancellotti, R.; Yu, P.S.; Internet Applications. WIAPP 2003. Proceedings. The Third IEEE Workshop on 23-24 June 2003 Page(s):66 - 70

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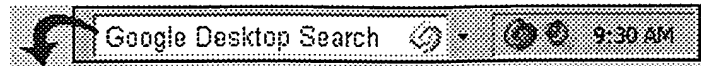
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